Compact Disc Spieler
Compact Disc Player
Lecteur Compact Disc

CD 3

Bedienungsanleitung
Operation Instructions
Instructions d'utilisation

BRAUN

Auspacken

Der Braun Compact Disc Spieler CD3 wird beim Transport durch vier Hartschaumschalen und einen Versandkarton geschützt. Zum Schutz vor Staub und Feuchtigkeit ist das Gerät außerdem in einem Beutel aus Kunststoff-Schaumfolie verpackt. In den Aussparungen der seitlichen Verpackungspolster liegt die Abdeckklappe. In dem hinteren Polster befindet sich das Verbindungskabel (mit Cinch-Steckern) zur Verbindung des CD3 mit dem Verstärker/Receiver Ihrer HiFi-Anlage.

Der beiliegende Umschlag enthält:
- Bedienungsanleitung
- Technische Information
- Garantiekarte
- Sicherung für 110 bzw. 120 Volt

Hinweis: Das Gerät ist vom Werk auf 220 Volt eingestellt und kann nur an Wechselspannung betrieben werden. Eine Umstellung auf 110, 120 oder 240 Volt ist möglich. Sie sollte nur von einem Fachmann vorgenommen werden, der gleichzeitig die Sicherung umtauscht.

Falls Sie beim Auspacken wider Erwarten einen Transportschaden an Ihrem Gerät feststellen sollten, benachrichtigen Sie bitte sofort Ihren Fachhändler.

Heben Sie die Verpackung für einen eventuellen späteren Transport des CD3 auf.
Diese Bedienungsanleitung besteht aus:
- einer Beschreibung der Bedienungselemente
- einer Kurzanleitung und
- einer ausführlichen Anleitung

Die Kurzanleitung wird all jenen schnelle Information geben, die im Umgang mit Compact Disc Spielern vertraut sind. In Zweifelsfällen ist unbedingt in der ausführlichen Anleitung nachzulesen.
Lesen Sie diese Bedienungsanleitung am besten ganz und in Ruhe durch, bevor Sie den Compact Disc Spieler in Betrieb nehmen. Sie enthält alle Hinweise, die Ihnen helfen werden, mit dem CD3 schnell vertraut zu werden.

Unpacking

The Braun Compact Disc Player CD3 is protected against transport damage by 4 hard foam shells packed inside a rigid carton. The unit is also wrapped in a plastic bag to protect against dust and humidity. The back cover is fitted into the grooves at the side of the packaging. There is a connection cable (with Cinch-connectors) in the back foam piece for connecting the CD3 to the amplifier/receiver of your HiFi-system.

The attached envelope contains the following:
- Operating instructions
- Technical information
- Guarantee card
- Fuse for 110/120 V.

N.B: The unit is set, in the factory, to a line voltage of 220 Volt AC. A conversion to 110, 120 or 240 Volt is possible, which should, however, only be carried out by a specialist, who should change the fuse at the same time.

If you suspect transport damage, please contact your dealer immediately.

Keep the packing for possible transportation of the CD3 at a later date.

These operating instructions contain:
- a description of the controls
- a brief guide and
- a detailed instruction.

The brief guide is for all those already familiar with CD-players. In cases of doubt, please refer to the detailed instructions.

Before operating the CD3, it is advisable to read these operating instructions through carefully. They contain many hints to help you become familiar with the CD3 quickly.

Déballage

Pour limiter les risques dus au transport, le lecteur compact disc Braun CD3 est protégé par 4 coquilles en polystyrène expansé et un carton d'expédition robuste. En outre l'appareil est isolé de la poussière et de l'humidité par un emballage plastique. Le cache arrière est calé dans les glissières des pièces latérales de l'emballage. Le câble (équipé de fiches Cinch) permettant le raccordement à l'amplificateur se trouve dans la coquille polystyrène arrière.

Dans la pochette jointe vous trouverez:
- la présente notice d'utilisation,
- des renseignements techniques,
- la carte de garantie,
- un fusible pour une éventuelle adaptation de l'appareil sur 110 – 120 volts.

Note: l'appareil est pré-réglé en usine pour fonctionner sur 220 volts. L'adaptation sur 110, 120 et 240 V est possible; elle requiert toutefois l'intervention d'un spécialiste qui procède alors en même temps à l'échange du fusible.

Si, contre toute attente, vous deviez constater à l'ouverture du paquet des dommages dus au transport, faîtes-en part aussitot à votre distributeur.

Conservez l'emballage de l'appareil pour un éventuel transport ultérieur.

La présente notice comprend:
- la description des organes de commande et affichages
- un mode d'emploi résumé
- des instructions d'utilisation détaillées.

Le mode d'emploi résumé s'adresse en premier lieu aux personnes déjà familiarisées avec le maniement de lecteurs compact disc. En cas de doute, se reporter au mode d'emploi détaillé.
Lisez la notice attentivement et intégralement avant de brancher le CD3. Elle contient un grand nombre de renseignements qui vous aideront à vous familiariser rapidement avec le CD3.

Transport

Zum Transport muß der Plattenwagen leer (ohne CD) eingefahren werden. Danach ist das Gerät auszuschalten.

Transport

During transportation, the slider must be empty (without CD) and closed. The unit must be switched off.

Transport

Pour le transport, le tiroir-disque doit être vide (sans compact disc) et fermé. Ensuite, débrancher l'appareil.

Aufstellen

Der Compact Disc Spieler CD3 paßt zu den übrigen Bausteinen der Braun atelier Anlage. Sie sollten den CD3 unterhalb des Verstärkers aufstellen. In jedem Fall muß das Gerät so aufgestellt werden, daß die vertikale Luftströmung am Kühlkörper (an der Rückseite) nicht behindert wird.
Auf der Oberseite des CD3 befinden sich vier Mulden, in die Sie die Füße des darüberstehenden Gerätes stellen.
Nachdem Sie die Kabelverbindungen hergestellt und ggf. den Ausgangspegel eingestellt haben, hängen Sie die rückwärtige Klappe ein.

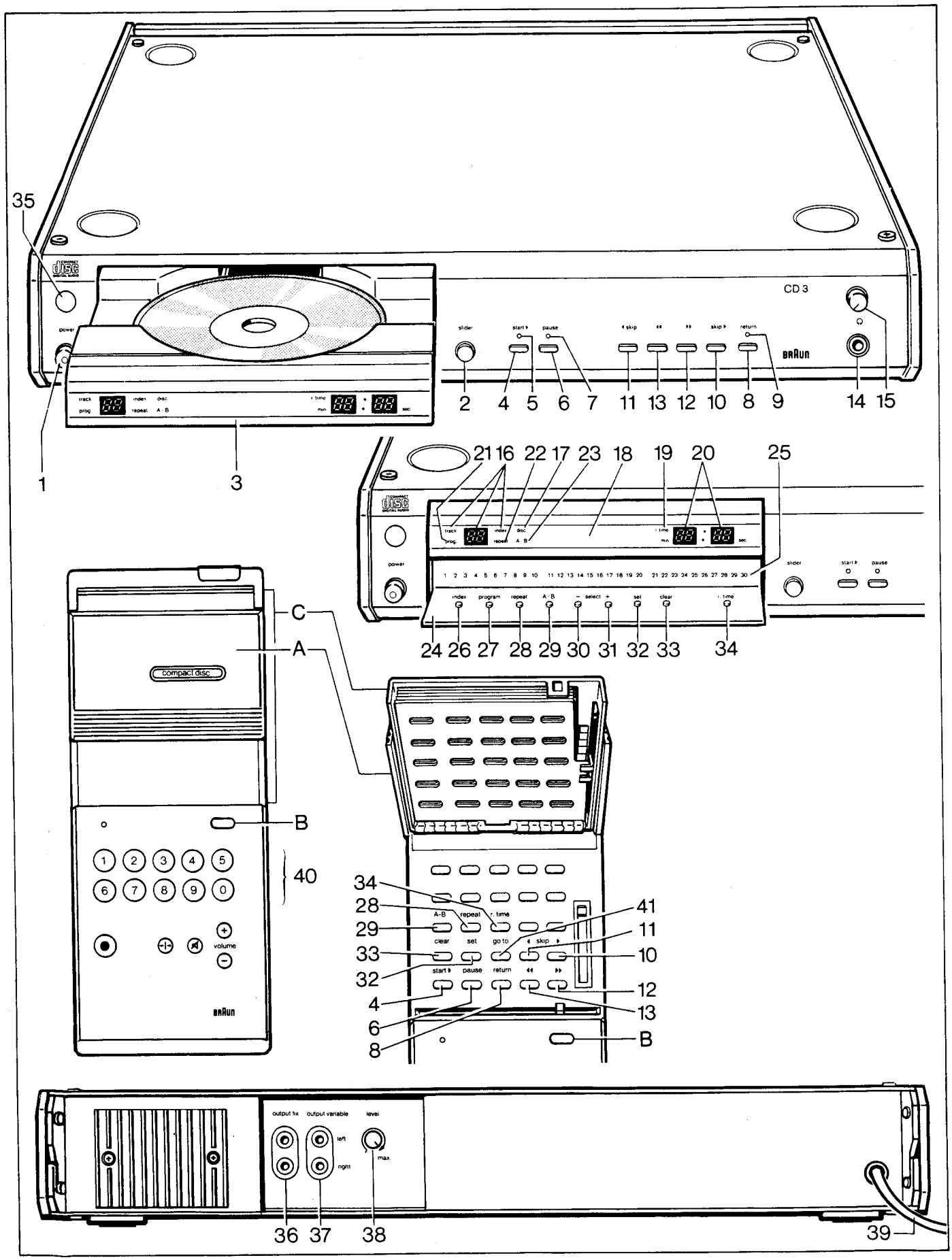
Installation

The Compact Disc Player CD3 is compatible with the other components of the Braun atelier system. The CD3 should be placed underneath the amplifier. The unit must be positioned so that the vertical air flow from the heat sink (at the back) is not obstructed. There are 4 hollows on top of the CD3, for the feet of the unit to be placed on top.

The back cover can be attached after connecting the cables and adjusting the output level.

Installation

Le lecteur compact disc CD3 est compatible avec les autres éléments de la série studio de Braun.
Placer le CD3 de préférence sous l'amplificateur. Quelque soit la disposition adoptée, la libre circulation de l'air dans le sens vertical au niveau du radiateur (au dos de l'appareil) doit toujours être garantie. Quatre renfoncements sont prévus sur le dessus du CD3 pour recevoir les pieds de l'appareil supérieur.
Après avoir effectué les connexions nécessaires et éventuellement ajusté le niveau de sortie, remonter le cache arrière.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CD 3
BRAUN
2 4 5 6 7 11 13 12 10 8 9 14 15
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The controls, displays and connections on the unit and their functions

1 »power«
With this button the Compact Disc Player CD3 can be switched on or off. The LED »return« (9) lights up indicating that the unit is switched on and that there is no disc in the CD3. If a disc is inside the unit then the number of tracks and the total playing time of the disc will be indicated and the laser pick-up moves to the beginning of the first track in »pause« mode. The LED »pause« (7) lights up.

2 »slider«
On pressing this button the slider moves out to enable loading or unloading of a compact disc. The repeat operation of the »slider« button moves the slider in again.

3 Slider
Insert the compact disc (label side up) into the slider. You should ensure that the 4 supports are clean beforehand. Due to the cutouts in the sides it is only possible to hold the CD at the edges. The CD must be inserted without touching the surface.

4 »start ▸ «
On pressing the »start ▸ « button, playback of the CD commences at the beginning of the first track or playback is continued at the position where it was interrupted by »pause« (7). During playback the track number and the played time of this track are displayed.

5 LED »start ▸ «
This LED indicates, that the CD3 is switched on and a compact disc is playing.

6 »pause«
The playback is interrupted by pressing this button. With »start ▸ « (4) the playback can be continued from the same position where it stopped. If, after having pressed »pause«, no further operation follows within the next 4 minutes then the pick-up returns to the rest position »return« (9).

7 LED »pause«
This indicates that the CD3 is switched on and that playback has been interrupted. The pick-up remains in its present position and the disc continues to revolve.

8 »return«
On pressing this button the disc drive is switched off and the laser pick-up is brought to the rest position. This rest position corresponds to that of the tone arm on an analogue record player. The LED »return« (9) lights up. Previously selected functions and displays (except a read-in program) are cancelled.

9 LED »return«
It indicates that the CD3 is switched on, the pick-up is in rest position and the disc drive is switched off. This LED also lights up when the unit is not operated during 4 mins after pressing »pause« (6). The CD3 then automatically switches to »return« (9) to prevent excessive wear on the disc drive and the laser pick-up. By pressing »start ▸ « (4), »pause« (6) or »program« (26) the pick-up leaves the rest position.

10 »skip ▸ «
By pressing this button the reproduction of the track is interrupted. The pick-up goes directly to the beginning of the next track, which is then played. When pressed several times repeatedly the corresponding number of tracks are skipped, when continuously pressed the skip button automatically causes the pick-up to skip one track every half a second. When in »pause« (7) mode you can skip in the same way to the beginning of a required track.

11 » ◂ skip«
The » ◂ skip« button interrupts playback and commences playback at the beginning of the same track. When quickly pressed several times you can go to the tracks nearer the beginning of the disc. Continuous depression of the » ◂ skip« button moves the pick-up back one track every half second.

12 » ▸▸ « (Fast forward)
As long as the button is depressed you can move the pick-up at 3 times normal speed without interrupting playback. After more than 5 secs the speed automatically increases to 20 times normal speed. The fast forward button can also be operated in »pause« (7) mode. During fast forward there is no playback.

13 » ◂◂ « (Fast reverse)
As with fast forward, you can move the pick-up backwards by pressing the » ◂◂ « continuously at 3 times the normal speed. After pressing for 5 secs the speed will automatically increase to 20 times normal speed. Fast reverse in »pause« (7) mode produces no playback.

14 Jack
For connecting a stereo headphone with an impedance of 30 to 2000 ohms.

15 Volume control for the headphone
The headphone volume is adjusted with this recessed button. On pressing lightly, the button is released and pushed out ready to be operated. The button can be clicked back into position by re-pressing.

16 Display of the track or index number
At the left side of the display the track or index number, currently being played or at which point the pick-up is in »pause« (7) mode, is indicated in 6.5 mm high digits. If the track number display is on, the word »track« lights up at the top left in front of the track number, if the index number is displayed, the word »index« lights up at the top right behind the index number.

17 Display »disc«
This display is illuminated when the pick-up is in rest position »return« (9) and a disc is inside. »disc« flashes, if the slider is open.

18 Window for the CD
If the disc drive is switched on, the illuminated and rotating CD is visible through the window.

19 Display »r.time«
lights up when the »r.time« button on the control panel is pressed. This means the time display will now indicate the remaining playing time of the CD or program.

20 Time display
The playing time of the current track is shown in minutes and seconds at the right hand side of the display screen. If the time display shows a negative sign, the length of the remaining pause time is indicated, until the beginning of the track, which is already shown in the track display. Pressing the »r.time« (34) button on the swivelling control panel switches the time display to the remaining playing time of the disc or program.

21 Display »prog.«
This word is lit if a previously entered program is played back by pressing the »program« button (27) or if the pick-up is brought to the beginning of the sequence of tracks in »pause« mode (7).

22 Display »repeat«
»repeat« lights up, after pressing the »repeat« (28) button to produce continuous playback of a disc or program. »repeat« is also lit, if the »A-B« (29) button is pressed to initiate the continuous reproduction of a selected section of the disc.

23 Display »A-B«
»A-B« flashes after the starting point A of a section of the disc has been memorised with the »A-B« (29) button. After entering the concluding point B and thereby starting the continuous playback of the section chosen, »A-B« flashes constantly.

24 Swivelling control panel
By pressing »push« the swivelling control panel is released and will automatically open slowly.
Other special features apart from the basic functions and the program display can be found on the control panel (buttons 26 to 34). They are only accessible after opening the panel.

25 Program display
The track numbers of the compact disc which form the program are lit along the row of numbers from 1 to 30. In between selecting with the » — select« (30) and »select + « (31) buttons and the input using the »set« (32) button the relative number flashes.

26 »index« (part of the track)
With this button the track number display becomes the index number display and instead of the word »track«, »index« lights up on the display screen (16). The »skip ▸ « (10) or » ◂ skip« (11) enables you to skip to the beginning of an index. Renewed operation switches back to the track number display and »track«.

27 »program«
By pressing »program« the pick-up proceeds to the beginning of the pre-selected program and starts to play or remains in »pause« (7) mode (if »pause« mode was selected beforehand). The display »prog.« (21) lights up. By pressing the button once more, you can switch back to the normal reproduction of the disc.

28 »repeat«
The »repeat« button switches the continous repetition of a compact disc or program on or off. To indicate this, the »repeat« display is lit.

29 »A-B«
By pressing »A-B« once you can memorise the starting point of a certain section of the CD which you wish to repeat, (The »A-B« (23) display flashes). By pressing the »A-B« button once again the concluding point of the required section is memorised (the »A-B« (23) display is constantly lit). The pick-up then immediately proceeds to the beginning of the selected section and commences playback. The repetition continues until the »clear« (33) button is pressed. (»repeat« (22) and »A-B« (23) displays go out).

30 » — select«
The tracks that you would like to include in your program can be chosen using the » — select« (30) and »select + « (31) buttons. By pressing » — select« the currently flashing (ready for input) track number on the program display will then move one position to the left (decreasing in number).

31 »select + «
Pressing this button causes the flashing (ready for input) track number on the program display to move one position to the right (increasing in number).

32 »set«
On compiling a program this button is used to enter the track number currently flashing in the program display selected via the »select + « and » — select« buttons. A maximum of 30 tracks of a compact disc can be memorised on the 30 available program positions.

33 »clear«
With »clear« you can cancel a flashing track number chosen via »select + « or » — select« from the program. Continuous operation clears the complete program. The »clear« button is also used to cancel the continuous repetition of a disc section »A-B« (23).

34 »r.time«
This abbreviation stands for »remaining time«. This button operates the time display to indicate the remaining playing time of the disc or of the compiled program now being played. Pressing the button again changes the time display back, to show the elapsed time of the track being played.

35 Sensor for the infra-red remote control
When operating the CD3 via remote control the sensor must not be overshadowed or covered up.

36 Sockets »output fix«
The above output is connected to the »aux« or »CD« input on your amplifier/receiver with the connection cord supplied. The output voltage matches that of the Braun atelier system.

37 Sockets »output variable«
If your amplifier/receiver requires a different input voltage, connect the »output variable « sockets to the corresponding amplifier/receiver input with the connection cord.
The »level« (38) control can be used to obtain the required output voltage.

38 »level«
If the »output variable« (37) is in use, the output voltage must be adjusted so that the volume level remains the same when switching from CD-playback to a local FM-station.

39 Mains cord
The mains cord must be connected to a socket, which has the same voltage as on the type plate. The unit is set to 220 V AC at the factory. For other voltages please read the note on page 2 or the detailed instructions.

The Infra-red Remote Control RC1

The buttons marked in the picture are the only ones required to operate the CD3 by remote control.
The 10-key keyboard is directly accessible whereas the function keys are only accessible when flap (C) is opened. Before opening the flap (C) the address selector (A) should be pushed to the top where »compact disc« appears in the window. In addition to the electrical switching the corresponding lettering for the compact disc player is revealed. 12 buttons have identical lettering and functions as on the unit, as described in the respective sections. The additional functions are described below:

40 10-key keyboard
The 10-key keyboard is used to select the track number, which then lights up in the CD3 track number display. If the »go to« (41) button is pressed during this display then the playback commences from the beginning of the track or the pick-up moves to the beginning of the track in »pause« (7) mode. A number selected via the 10-key keyboard can either be entered into the program with »set« (32) or cancelled with »clear« (33).

41 »go to«
By pressing this button playback commences at the beginning of the track selected via the 10-key keyboard or brings the pick-up to this position in »pause« (7) mode. If a program was entered beforehand, then the »go to« button starts playback from the beginning of the program or the pick-up moves to the beginning of the program in »pause« (7) mode. Operating the »go to« button once more switches the playback back to the normal track sequence as on the disc.

Brief Guide

This brief guide contains all essential information for those, who are already familiar with Compact Disc Players. In cases of doubt refer to the detailed instructions. The detailed instructions contain explanations of several functions not described in this section.

Connection
After unpacking the CD3, it can be connected to the mains socket, which has a voltage of 220 V 50 Hz. If your voltage is different, then you must refer to the note on page 2. Connect the CD3 output socket to the »aux« or »CD« input of your amplifier/receiver, with the connection cable and switch to this input.

Reproduction of a compact disc:
- Switch on by depressing the »power« (1) button. LED »return« (9) lights up.
- Open the slider by pressing the »slider« (2) button. »disc« (17) display flashes and LED »return« (9) lights up.
- Insert the disc, label side up into the slider, taking care to touch only the edges, and not the surfaces of the CD.
- Press the »slider« (2) button to close the slider. The number of tracks and the total playing time of the disc will be indicated in the display for 5 secs. e.g. »track 20«, »r.time«, »min 66:07 sec«. The LED »pause« (7) lights up. The pick-up is positioned at the beginning of the first track on the disc in »pause« (7) mode. After 5 secs the unit automatically switches to track number and its elapsed playing time: »track 1«, »min 0:00 sec«, LED »pause« (7) lights up.
- Playback commences by pressing the »start ▸ « (4) button. The display shows »track 1«, »min 0:01 sec«, LED »start ▸ « (5) lights up.
- At the end of the disc the pick-up automatically goes to the rest position and the disc drive switches off. LED »return« (9) lights up. The display »disc« (17) is lit for as long as a CD is in the unit.
- The slider moves out on pressing the »slider« (2) button. »disc« (17) display flashes and LED »return« (9) lights up.
- Remove the CD from the slider and replace firmly in its cover, label side up. Close the cover. You can now play another CD as described above, or close the slider by pressing the »slider« (2) button. LED »return« (9) is lit.
- Switch the unit off by pressing the »power« (1) button to release.

Interruption of playback
- Pressing the pause button interrupts the playback and the pick-up remains in its present position. Displays: e.g. »track 3«, »min 1:32 sec«. LED »pause« (7) lights up.
- To continue playback within the next 4 mins: press »start ▸ « (4) button. LED »start ▸ « (5) lights up and the playing time display advances further showing the elapsed time »min 1:33 sec«.

Skipping tracks
- To skip to the beginning of the following track: one tap of the »skip ▸ « button (10).
- To skip several tracks tap the »skip ▸ « (11) button the required number of times or press continuously.
- » ◂ skip« returns the pick-up to the beginning of the track just played.
- To skip further back to tracks nearer the beginning of the disc, you must press the » ◂ skip« (11) quickly the required number of times or hold continuously.

You can skip during the playback or in »pause« (7) mode. The unit commences with the track to which it has just skipped or remains in the »pause« (7) mode. The display shows the track number on the screen.

Search
- Fast forward is achieved by pressing the » ▸▸ « (12) button continuously, firstly at 3 times normal speed and after 5 secs at 20 times normal speed.
- Fast reverse » ◂◂ « operates in the same way and at the same speeds as fast forward in the opposite direction.

If you press » ▸▸ « or » ◂◂ « during playback you can hear the playback at reduced volume level. When in »pause« (7) mode, however, the playback is switched off.

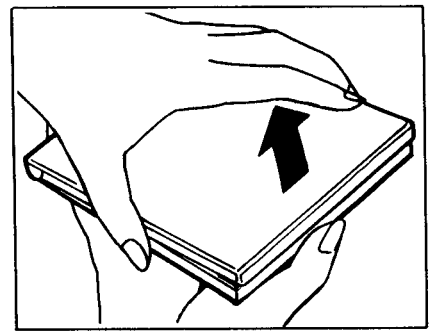
Termination of playback
- Playback can be terminated by pressing the »slider« (2) button. The pick-up goes to the rest position and the slider moves out. The »disc« (17) display flashes and the LED »return« (9) lights up.
- Remove the disc from the slider and put it in the cover and click shut. Press the »slider« (2) button and the slider closes. LED »return« (9) lights up.
- By pressing the »power« (1) button the unit is switched off.

The Compact Disc

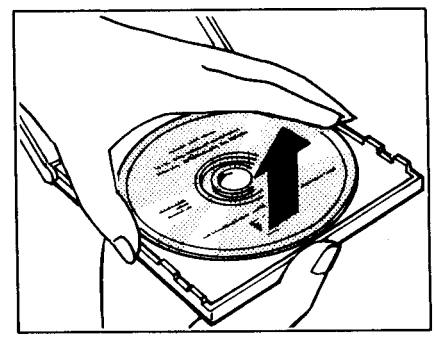
The compact disc is the most modern sound recording medium available. The music is recorded in digital form encoded inside the disc. This information is only accessible by laser beam, as it is stored between the transparent layer on the read-out side and the protective layer where the label is printed.

The laser beam penetrates the transparent carrier layer, is reflected by the information, which is extracted and processed. A flawless playback depends not only on flawless information contained on the disc, but also on the laser beam not being obstructed by traces of dirt, or fingerprints on the read-out side. Apart from the music, there are error correction signals recorded on the disc. These are used to restore the music whenever the laser beam is obstructed by dirt etc. on the read-out side. At the beginning of the disc there is information regarding its contents. The track number and time signals are interleaved with the music.

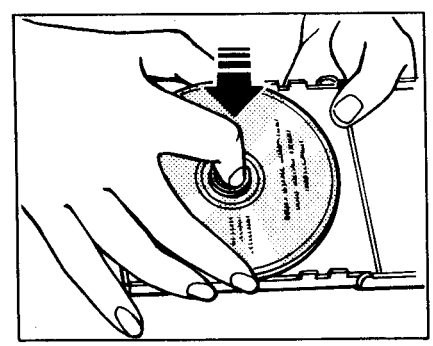
Handling of the compact disc
The cover is opened as shown in the picture with the middle finger placed at the hinge side and the thumb at the opposite side whilst the thumb and middle finger of the other hand lift the sides of the lid and



open the cover. The disc is held at the edges only as shown in the next picture



and removed from the cover. If you press the central locking device lightly at the same time – removal of the CD will be



easier and it will not bend. It is advisable to insert the CD into the previously opened slider immediately. A CD removed from the slider should be immediately replaced in its cover and clicked into position. The disc cover holds the CD in place at the centre, the read-out side remains untouched. If you have to put the CD down at any time you must put the label face down and the read-out side should be visible. This prevents the dust particles which may be present on any surface on which the disc maybe placed, from causing damage to the read-out side. You should not write or stick labels onto the label side.

Cleaning the compact disc
If you handle the CD as described above you will not need to clean it very often. If the read-out side does become dirty however, e.g. covered in fingerprints, then you must proceed as follows:
Wipe the CD with a soft, clean, dry, non-fluffy, cloth from the middle to the edge. Breathe on the CD several times in so doing. As the CD surface is so smooth, this method of cleaning will suffice.

Storing a compact disc
CD's, similar to normal records have to be kept in their original (plastic) covers. Normal room temperature is suitable for storing the CD's, they should, however, be protected from direct sunlight and excessive humidity.

Detailed Instructions

Connection

Mains connection
Do not put the plug in the socket until you are sure that the mains voltage is the same as that required by the type plate. The unit is set to 220 Volt AC at the factory. Conversion to 110, 120 or 240 Volt is possible. The conversion should be carried out by a specialist, who should change the fuse at the same time.

Connecting the amplifier
The connecting cable supplied must be used to connect the output sockets to the input sockets »aux« or »CD«, of your HiFi amplifier/receiver. If not already occupied, the »tape« or »monitor« inputs can be used. The voltage at the »output fix« is compatible with the Braun atelier units. The maximum output level is 2 Volt. The »output fix« should be used in preference. Amplifier inputs, requiring other input voltages, are connected to the »output variable« of the CD3. The voltage at this output (<100 mV... 3,0 V) must be adjusted with the »level« control so that the volume remains the same on switching between CD-playback and a local FM-station.
The cable marked red on the plug is for the right channel and the black one is for the left.

Connecting the headphone
A headphone with an impedance of 30 to 2000 ohms can be connected to the jack on the front panel. You can listen to a Compact Disc over the headphone without an additional amplifier/receiver. The volume of the headphone can be adjusted with the control above the jack.

Playback of a CD

Switching on the unit
By pressing (and engaging) the mains switch »power« the Compact Disc Player CD3 is switched on.
If there was no disc inside the unit as it was switched on, then the pick-up moves to the rest position. The »return« LED lights up to show that the unit is on. If there was a disc inside the unit, then after first indicating »disc« and »return« the display will show the number of tracks and the total playing time of the disc for 5 secs; e.g. »track 20«, »r.time«, »min 66:07 sec«, »pause«. The pick-up proceeds to the beginning of the first track and remains there in »pause« mode. The track number and the played time of that specific track will then appear: »track 1«, »min 0:00 sec«, »pause«.

If the unit is turned off unintentionally when the slider is still open, as soon as the unit is switched on again the slider will close and then the sequence of functions as described above will follow. The slider should be kept closed at all times except when inserting or removing the disc, in order to keep it clean.

Opening of the slider
By pressing the »slider« button the slider moves out. Display: »disc« flashes, LED »return« lights up.

Insertion of Compact Disc
After making sure that the supports are clean, place the compact disc, label side up, in the open slider. On removing from the cover you should touch only the edges of the disc, not the surface. Removal of the disc is easier if you apply slight pressure to the central locking piece. The cutouts in the sides of the slider make it possible to insert the disc, without it coming into contact with any parts of the unit (except the supports). »disc« display flashes, the »return« LED lights up.

Closing the slider
On pressing the »slider« button a second time the slider moves in. While the »disc« display and LED »return« are lit, the pick-up reads the information concerning the contents of the CD and subsequently indicates the number of tracks and total playing time. The LED »pause« is lit simultaneously. After approx. 5 secs this information disappears. The track number »track 1« and the played time of this track »min 0:00 sec« will then be displayed. If the compact disc is incorrectly inserted, the slider on moving in, re-opens immediately. Display »disc« flashes and the »return« LED lights up.

Start of the playback
By tapping the »start ▸« button playback of the first track commences.

If you do not wish to see the display showing the number of tracks and the total playing time – you can press »start ▸« immediately, once the slider is closed.

If you want to start immediately with the first track, insert the CD and then simply press the »start« button. The slider automatically closes and playback begins at track one. During playback the number of the currently played track will be displayed. The minutes and seconds which appear in the time display represent the elapsed time of this track. The »start« LED is lit at the same time. It goes out when the end of the current disc is reached.

Interruption of playback
Playback can be interrupted anywhere by pressing the »pause« button. The pick-up remains at this point while the disc continues to revolve. Display e.g.: »track 3«, »min 1:32 sec«, LED »pause«. If the unit is not operated within the next 4 mins the pick-up returns to the rest position, which can be seen when the LED »return« lights up. Playback can be continued by pressing the »start ▸« button within 4 mins.

Skipping tracks, forwards and backwards
The currently played track can be skipped during playback by pressing the »skip ▸« button – playback continues at the beginning of the following track.

If you wish to skip more than 1 track, you can press the »skip ▸« button, several times, depending on how many tracks you want to skip. Continuous operation of

the »skip ▸ « button results in several tracks being missed out. While skipping, the corresponding track numbers appear in the display.

If you wish to return to the beginning of the track just played press the » ◂ skip« button once.

If you want to repeat the track that's just finished, you must press the » ◂ skip« button twice quickly. You can skip several tracks in reverse order, by pressing the » ◂ skip« button qiuckly several times or continuously.

All tracks that are skipped are shown in the track display as they are skipped and can easily be followed. You can also press »skip ▸ « and » ◂ skip« when the unit is in »pause« mode. If » ◂ skip« is pressed during track 1 or »skip ▸ « during the last track on the disc, the pick-up proceeds to the rest position.

Search » ▸▸ « and search » ◂◂ «
Whereas with the buttons »skip ▸ « and » ◂ skip« you can only propel the pick-up to the beginning of a track, with fast forward » ▸▸ « and fast reverse » ◂◂ « any position can be reached.

When these buttons are continuously pressed, the pick-up moves at 3 times the normal speed and after 5 secs at 20 times the normal speed, in the corresponding direction.
If the »start ▸ « button was pressed before search, the music remains audible. With fast forward at 3 times the normal speed, you can still recognise the music, as long as the pitch remains the same. (With reverse 3 times normal speed and 20 times normal speed in both directions, the gaps in the music can still be recognised). If you want to listen to the music at 3 times normal speed for longer than 5 secs then you must release the button and then repress it. If the unit was in »pause« mode beforehand, then no music can be heard during search. You can locate your position on the disc by looking at the track number and time displays. The »start« or »pause« modes remain when the search commands are finished.
If on pressing fast reverse » ◂◂ « you go past the beginning of the first track, the pick-up moves to the beginning of the first track. Similary, if you pass the end of the last track on pressing fast forward » ▸▸ « then the display shows »min --:-- sec«.

Starting with a specific track
After inserting the disc and closing the slider, you can skip forwards until the number of the track you want to play is indicated on the display. To do this you must press the »skip ▸ « button repeatedly or continuously. The pick-up is then positioned at the beginning of the indicated track in »pause« mode. To start the playback press the »start ▸ « button.

Repetition of a complete disc
The disc being played can be repeated continuously by pressing the »repeat« button. The »repeat« sign will be lit up on the display until the »repeat« button is repressed, thereby switching back to playback with automatic stop facility at the end of the disc. Should you decide, whilst playing the disc, that you want to listen to the disc again from the beginning, you must press »return« and then »start ▸ «.

Termination of playback
If you want to stop the playback of the disc, then press the »slider« button. The pick-up is then set at the rest position and the slider opens. »disc« display flashes. The »return« LED is lit. Remove the CD from the slider, place in its cover and click into position (label side up). Press the »slider« button to close the slider again. The only LED lit is »return«. Press the »power« button to release and switch the unit off.

Compiling and playback of a program

You can select the tracks of a CD in any order you like to form a program for playback. The tracks of the CD can be omitted or entered in the program several times in whatever order you choose. A total of 30 tracks selected from the first 30 tracks of a CD can be memorised to form a program.

Combining tracks to make a program
can be obtained in the following way:
- Place the disc in the slider and press the »slider« button to close. When the CD has been retracted the required sequence of tracks can be entered. They can be entered during the playback too.
- The »select + « and » — select« buttons are used to select the track number, shown on the program display, that you wish to be played back first. Every time you press »select + « or » — select« the flashing (ready for input) track number in the program display increases or decreases by one respectively. »select + « starts at track 1 and » — select« starts with the last (max. 30) available track on the inserted disc. Continuous operation of the »select« buttons produces an automatic progression in the selected direction. On releasing the button the track number flashes for 5 secs indicating that this track number may be entered.
- Whilst the selected number is flashing you can enter the track number into the program by pressing the »set« button. You can also enter the same track several times by pressing »set« several times or go through the other tracks with the »select + « and » — select« buttons whilst the number flashes.
- The additional tracks which are to be included in the program can be entered in the same way.
- The selected, now flashing track number can be removed from the program display by pressing »clear«. »clear« when pressed for more than 2 secs deletes the whole program. The program is memorised until another CD is loaded or the unit is turned off.

Playback of the program
- You can playback the program if at least one track has been entered and is indicated in the program display.
- By pressing the »program« button you can start (in »start ▸ « or »return« modes) the playback and play the tracks contained on the program in the order in which they have been entered.
- The word »prog.« is then lit up in the display. When in »pause« mode pressing »program« sends the pick-up to the beginning of the program, still in »pause« mode. If you press the »start ▸ « button within the next 4 mins, playback will commence.
- During program playback, operation of the »skip ▸ and » ◂ skip« is possible, to skip to other tracks contained in the program in the same way as during normal playback. The » ▸▸ « and » ◂◂ « buttons when operated during playback of a program switches the unit back to normal playback (of all tracks) on the CD.
- The time display can be altered to indicate the total remaining playing time of the program by pressing »r.time«. Displays: e.g. »track 3«, »prog.«, »r.time«, »min 20:17 sec«, LED »start ▸ «.
- The track numbers and the elapsed time of the track being played are constantly visible in the display during the playback of a program. e.g. »track 3«, »prog.«, »min 1:02 sec«, LED »start ▸ «.

Repetition of a program
Continuous repetition of a program can be obtained by pressing the »repeat« button. »repeat« lights up in the display.

When »repeat« is pressed again the unit returns to its original status with automatic switch off facility at the end of the program. The »repeat« display goes out.

Switch-off the program playback
If whilst in »program« mode (»prog.« is lit) the »program« button is pressed, then the unit switches back to the normal playback at the point where »program« was pressed and the »prog.« display goes out.

Additional Functions

Repetition of a particular disc section (between points A and B of your choice)
This mode is important, whenever you wish to repeat a particular section of a track or disc continuously, which is not confined by the beginning and end of a track.

During playback (or »pause«) you can memorise the required starting point A using the »A-B« button, not only will the word »repeat« light up, but the »A-B« display will flash until you have pressed the »A-B« button once more on reaching the concluding point B. Point B is now also memorised and the continuous repetition starts at the beginning of the section. The »A-B« display is constantly lit. The input of the first and last points is possible during playback or (location indicated by the track and time displays) when in »pause« mode. Points A and B are then to be located using the »skip ▸ «, » ◂ skip« and » ▸▸ «, » ◂◂ « buttons. If these buttons are pressed during playback of the memorised section, the repetition »repeat« »A-B« will be cleared. The playback can be interrupted with »pause« and recommenced with »start ▸ «.

You can store a certain section, by entering the points A and B in reverse order. The first operation of the »A-B« button stores the concluding point. By operating fast reverse » ◀◀ « or » ◀ skip« you can select the starting point and press »A-B« again.
The continuous repetition is cleared by pressing »clear«. The disc can then be played as usual, (with automatic switch-off facility at the end).

Indices
Some compact discs have longer tracks which are divided up into indices. e.g. if a symphony has various movements these will be the indices. The »index« button therefore switches over from displaying track numbers to index numbers. The display »track« goes out and »index« lights up. By pressing »index« again you can return to the track number display.

The changeover from displaying track numbers to index numbers also means that the »skip ▶ « and » ◀ skip« now no longer skip tracks, but indices. This enables the operator to locate a particular movement of a symphony very quickly and to commence playback from there. On leaving the track (during playback or by operating the skip buttons, » ▶▶ « or » ◀◀ «) the unit automatically switches to display of track numbers (and track skipping).

Separate single indices can not be entered into a program.

Display of the remaining time
The »r.time« button when pressed switches the time display from the elapsed time of a track to the remaining playing time of the complete disc or program. The word »r.time« will light up until the button is pressed again to switch back, whereupon »r.time« will go out. When continuous repetition has been programmed (»repeat« is lit up) displaying the remaining time is impossible.

Remote Control RC1

The Remote Control RC1 is designed for the future Braun atelier products for example: TV, video recorder, video disc player, compact disc player or audio combinations (together with the atelier components cassette deck C3 and record player P4).

This means the total palette of the future Braun Audio and Video equipment can be operated by one single remote control unit.

The Compact Disc Player CD3 has an infra-red sensor for the remote control via the RC1. The RC1 can switch to all functions – except index – which are available on the unit itself.

Additionally, the RC1 offers the operator the possibility of selecting certain tracks on the CD directly, which shortens the access time considerably.

Operating the CD3 via Remote Control RC1

In the picture on page 3, only the buttons marked with numbers are necessary to operate the compact disc player by remote control.
The 10-key keyboard is situated on the lower part of the remote control. The buttons for the control are positioned under the flap (C). Before opening the flap (C) the address selector (A) should be pushed to the top where »compact disc« appears in the window. The flap (C) should be opened by pressing the release button (B). The control buttons for the CD-player can now be operated.

The functions of the 10-key keyboard and the »go to« button are described in more detail further on.

After loading a disc into the CD3 and closing the slider, the unit can be operated by remote control as described in the detailed instructions for the CD3 itself. It is possible to operate the unit exclusively via the RC1 or to alternate between RC1 and direct operation.

Playback of certain tracks
After switching on and loading a disc the pick-up is brought to the beginning of the first track in »pause« mode.
Use the 10-key keyboard to enter the number of the reqiured track, which appears in the track number display, and press the »go to« button. The pick-up moves to the beginning of the required track in »pause« mode and you can press the »start ▶ « button to commence playback. After the track is finished the compact disc will be played to the end. If you enter a track number on the 10-key keyboard whilst the unit is in »return« mode and press the »go to« button, playback of the required track will start immediately.

If you decide (while listening to a certain track) that you want to play another track on the CD, then you must press the required track number on the 10-key keyboard. By pressing the »go to« button, playback of the track now playing will be interrupted and the track entered will be played straight away. If a certain track is selected whilst the unit was playing the previously entered program or a repetition A-B then the program playback or A-B section will be cleared.

Compiling a program using the RC1
To compile a program follow the instructions below:
- Insert the disc into the slider and close by pressing the »slider« button. The required sequence of tracks can be entered in any mode, even during playback.
- Select the number of the track to be entered on the 10-key keyboard.
- By pressing the »set« button the track number which appears in the display can be entered to form part of a program.
- Repeat this process unitl your program is complete – (maximum 29 times). You can select the tracks in whatever order you want (from the first 30 tracks on the CD). The track numbers entered light up in the program display.
- A track selected via the 10-key keyboard can be cleared by pressing »clear«.

If the track display shows two horizontal lines then either:
- A track number has been entered which is not available on the CD, or
- A track number greater than 30 has been entered, or
- The 31st track has been entered into the sequence.

Playback of a program using the RC1
- If you have entered at least one track number into the program and this is indicated in the program display then the program can be played back.
- By pressing the »go to« button the playback will commence (from either »start« or »return« mode) by playing the tracks programmed in the order in which they where entered. The word »prog.« is lit when the program is playing. When in »pause« mode, pressing »go to« will result in the pick-up being brought to the beginning of the program. You can start playback within the next 4 mins by pressing »start«.

Switching off the program playback with the RC1
If the »go to« button is pressed during program playback (»prog.« is lit), at this point the unit changes to normal playback of the CD. The display »prog.« goes out.

Disturbances during playback

If the slider re-opens after having been loaded and closed or after »skip ▶ « or » ◀ skip« has been pressed, it is possible that the disc is covered in fingerprints or scratched. A small amount of dirt and slight scratches can produce increased mechnical noise from the disc drive and short interruptions of the musical sound. Before inserting a CD you should always make sure that the read-out side is clean. Cleaning of the CD is described in the chapter entitled »The Compact Disc«.

Maintenance and care

The compact disc player does not require regular servicing. The slider – especially the 4 supports – must be kept free of dust and dirt. It is advisable to keep the slider closed at all times, except when loading or unloading discs. We recommend use of a small, soft brush to clean the cabinet.

Equipment and special features

Stereo Laser player with front panel and remote control operation and motor driven slider for playback of compact discs (CD).
4 digit playing time display, 2 digit track/index display, illuminated displays for the various modes. Track/Index skip forwards and backwards. Fast forwards and backwards, each with 2 different speeds.
A swivelling control panel for special functions, program memory capacity of 30 tracks in any order. 30-fold LED chain to show the track numbers contained in the program. Continuous repetition of a disc or program or of a certain section of the disc.
Headphone output with its own volume control. Remote controlled with Remote Control RC1.
Drive mechanism with rigid aluminium die-casting frame, disc drive by electronic commuted DD-motor. Unit with sheet steel chassis and plastic side panels, front panel and back cover consist of aluminium profiles.

Specifications

Electroacoustic specifications

Number of channels	2
Frequency response (±0,3 dB)	5 Hz ... 20 kHz
Harmonic distortion	
1 kHz; 0 dB	≤ 0,005%
S/N ratio weighted	≥ 100 dB
Crossover 1 kHz	≥ 90 dB
20 Hz ... 20 kHz	≥ 86 dB
Channel balance (output fix)	≤ 0,5 dB
Wow and flutter	quarz precision

System data

Sampling frequency	44,1 kHz
Quantization	16 Bit linear
D/A conversion	16 Bit with 2-fold oversampling, separate channels
Error correction system	Cross Interleave Read Solomon Code (CIRC)
Filter	digital/analogue

Connections

Output voltage	
fix (1 kHz; 0 dB)	2 V eff.
variable (1 kHz, 0 dB)	< 0,1 ... 3 V eff.
Output impedance	≤ 600 ohms
Output for headphones (adjustable)	0 ... 1.2 V at 30 ohms 0 ... 6 V at 2000 ohms

Power supply

Mains voltage	220 V; 50/60 Hz.
Ability to convert to	110, 120, 240 V
Power comsumption	max. 40 W

Dimensions and weight

Dimensions (B x H x T)	445 x 70 x 360 mm
Weight	8,6 kg